

EINLADUNG

Zeit: 12.11.2008, 9:00 Uhr

Ort: Raum 2323, Ahornstr. 55

Referent: Dipl.-Inform. Dirk Wilking
RWTH Aachen University

Titel: Empirische Untersuchungen zur Anwendbarkeit agiler Methoden bei eingebetteten Systemen
(Empirical Studies for the Application of Agile Methods to Embedded Systems)

Abstract: Agile Methods are a collection of software engineering techniques with specific differences to traditional software engineering processes. The main differences consist of rapid, cycle based development phases setting the focus of attention on feedback of the source code being developed. Based on single techniques taken from Agile Methods, their application to embedded systems software engineering has been empirically evaluated and the results are presented in this talk. The experiments and studies which have been conducted comprise the techniques of refactoring, short releases, and test driven development. The results hint to inconclusive effects. For example for refactoring a reduced consumption of memory has been found, but this effect comes with an overhead for applying refactoring itself. The effect of agile techniques appears to be inferior to individual software development ability of participants in terms of factor strength. Consequently, the second part of the talk aims at variables for the purpose of experiment control. Variables comprise C language knowledge and viscosity which is a concept for measuring a participant's level of reluctance to change a fragment of source code.

Es laden ein: Die Dozenten der Informatik